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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/724,086	12/01/2003	Kiyoyuki Narimatsu	117922	1388
25944	7590 03/17/2005		EXAM	INER
OLIFF & B	ERRIDGE, PLC	NATNITHITHADHA, NAVIN		
P.O. BOX 19	9928			
	ALEXANDRIA, VA 22320			PAPER NUMBER
	,		3736	•

DATE MAILED: 03/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/724,086	NARIMATSU, KIYOYUKI				
Office Action Summary	Examiner	Art Unit				
	Navin Natnithithadha	3736				
The MAILING DATE of this communication Period for Reply	appears on the cover sheet wit	h the correspondence address				
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFF after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory per - Failure to reply within the set or extended period for reply will, by state of the second patent term adjustment. See 37 CFR 1.704(b).	N. R 1.136(a). In no event, however, may a re reply within the statutory minimum of thirty riod will apply and will expire SIX (6) MONT atute, cause the application to become ABA	ply be timely filed (30) days will be considered timely. FHS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 0	<u> 1 December 2003</u> .					
2a) This action is FINAL . 2b) ⊠ 1	action is FINAL . 2b) This action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
 4) Claim(s) 1-7 is/are pending in the application 4a) Of the above claim(s) is/are with the solution of the above claim(s) is/are with the solution of the above claim(s) is/are allowed. 6) Claim(s) 1,2 and 4-7 is/are rejected. 7) Claim(s) 3 is/are objected to. 8) Claim(s) are subject to restriction and are subject. 	drawn from consideration.					
Application Papers						
9) The specification is objected to by the Exam 10) The drawing(s) filed on 01 December 2003 Applicant may not request that any objection to Replacement drawing sheet(s) including the cor 11) The oath or declaration is objected to by the	is/are: a)⊠ accepted or b)□ the drawing(s) be held in abeyand rection is required if the drawing(ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the papplication from the International But * See the attached detailed Office action for a	ents have been received. ents have been received in Appriority documents have been reau (PCT Rule 17.2(a)).	oplication No received in this National Stage .				
Attachment(s)	" .	(070.440)				
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB. Paper No(s)/Mail Date 12012003. 	Paper No(s	ummary (PTO-413))/Mail Date formal Patent Application (PTO-152) 				

DETAILED ACTION

Claim Objections

1. Claim 2 is objected to because of the following informalities:

In line 17, "and waveform pattern" should be amended to - - and a waveform pattern - - in order to make the phrase grammatically correct. Appropriate correction is required.

2. Claim 3 is objected to because of the following informalities:

In lines 4-5, "and waveform pattern" should be amended to - - and the waveform pattern corresponding to degree of arteriosclerosis - - in order to make the limitation more clear and provide proper antecedent basis. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Chio, US 4,880,013 A.

In regards to claim 1, Chio discloses an apparatus for determining blood pressure and cardiovascular condition (see abstract), comprising: an inflatable cuff 10 (see col. 7, line 67); a pump means (cuff-pressure changing device) (see col. 8, lines 1-

2); a transducer means (cuff-pulse-wave detecting device) 16 (see col. 7, line 53); and an graphic display (output device) 42 (see figs. 1 and 7). In Figure 7, Shimazu discloses a curve or pulse signal (pulse wave) 240, which is measured at a cuff pressure greater than the patient's systolic pressure, or suprasystolic cuff pressure (see col. 19, lines 11-15 and col. 19, line 65 to col. 20, line 14).

4. Claims 2 and 4-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Shimazu et al, US 5,961,467 A.

In regards to claims 2 and 4-7, Shimazu discloses a cardiovascular observation apparatus (see fig. 1), comprising: a cuff 10 (see col. 9, line 32); a pump (cuff-pressure changing device) 14 (see col. 9, line 65); a pressure sensor (cuff-pulse-wave detecting device) 12 (see col. 9, line 64 and col. 10, lines 1-8); a pattern judging means (waveform-pattern determining means) 33 judging to which one or more reference pattern groups of a plurality of reference pattern groups, which includes arteriosclerosis, shown in Figure 7 the measurement pattern belong (see col. 13, lines 20-30 and fig. 7); a ROM (memory) which stores a plurality of parameters pertaining to the reference pattern groups in Figure 7 (see col. 10, lines 19-21); and a display (output device) 70. Shimazu teaches measuring a cuff pulse pattern when the cuff pressure change is higher than the systolic blood pressure to a pressure lower than the diastolic blood pressure (see col. 6, lines 25-42) and detecting small pulse waves 2a, 2b (high-frequency component of pulse wave) at high cuff pressures (above systolic pressure).

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The predetermined relationship taught by Shimazu is between the pulse wave amplitude (see fig. 6B) and the reference pattern (see fig. 7).

Allowable Subject Matter

- 5. Claim 3 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 6. The following is a statement of reasons for the indication of allowable subject matter:

As to claim 3, neither Shimazu nor Chio teaches a waveform-pattern determining means for determining a waveform pattern according to a predetermined relationship between respective forms of percussion and tidal waves of pulse wave, and the waveform pattern corresponding to the degree of arteriosclerosis. Shimazu teaches the predetermined relationship between the pulse wave amplitude and the reference waveform pattern.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Navin Natnithithadha whose telephone number is (571) 272-4732. The examiner can normally be reached on Monday-Friday, 8:00-4:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Max Hindenburg can be reached on (571) 272-4726. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Navin Natnithithadha

Patent Examiner

GAU 3736

March 18, 2005

MAX F. HINDENBUAY PUPTRAISORY PATENT EXAMINER

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